SONY

4-205-687-**32**(1)

420568732

FD Trinitron Colour Video TV

Instruction Manual

GB

VHS Video

combo

VIDEO Plus+®

VHS

PAL NTSC 4.43

KV-14FV1U
KV-21FV1U

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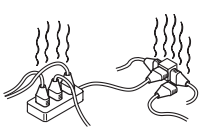
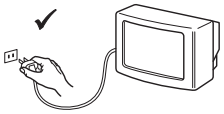
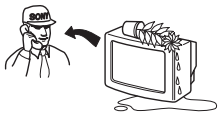
Safety Information



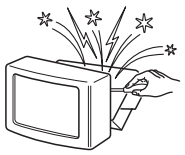
This set is to operate on a 220-240V AC supply only. Take care not to connect too many appliances to the same power socket as this could result in fire or electric shock.



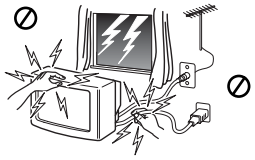
For environmental and safety reasons, it is recommended that the TV set is not left in standby mode when not in use. Disconnect from the mains.



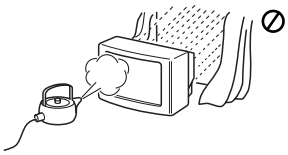
Never push objects of any kind into the set as this could result in a fire or electric shock. Never spill liquid of any kind on the set. If any liquid or solid object does fall through, do not operate the TV. Have it checked immediately by qualified personnel.



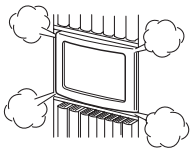
Do not open the cabinet and the rear cover of the TV. Refer to qualified service personnel only.



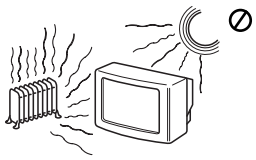
For your own safety, do not touch any part of the TV, power lead or aerial lead during lightning storms.



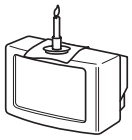
To prevent fire or shock hazard, do not expose the TV to rain or moisture.



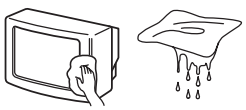
Do not cover the ventilation openings of the TV For ventilation, leave a space of at least 10cm all around the set.



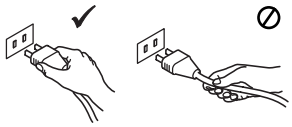
Never place the TV in hot, humid or excessively dusty places. Do not install the TV where it may be exposed to mechanical vibrations.



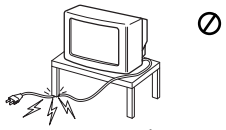
To prevent fire, keep inflammable objects or naked lights (eg candles) away from the TV.



Clean the TV with a soft, lightly dampened cloth. Do not use benzine, thinner or any other chemicals to clean the TV. Do not scratch the TV screen. As a safety precaution, unplug the TV before cleaning it.



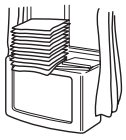
Pull out the power lead by the plug. Do not pull on the power lead itself.



Take care not to place heavy objects on the power lead as this could result in damage.
We recommend you wind any excess lead around the holders provided on the rear of the TV.

Place the TV on a secure stable stand. Do not allow children to climb on to it. Do not place the TV on its side or face up.

Unplug the power lead before moving the TV. Avoid uneven surfaces, quick steps or excessive force. If the set has been dropped or damaged, have it checked immediately by qualified service personnel.



Do not cover the ventilation openings of the TV with items such as curtains or newspapers etc.

⚠ • Notice for customers in the United Kingdom (see page 23 of this instruction manual).

Additional Safety Information

⚠ • If the unit is brought directly from a cold place to a warm place, moisture may condense on the video head drum. if this happens, the tape may stick to the head drum and it may be damaged or the unit may not operate correctly. To avoid possible damage caused by moisture condensation, be sure not to leave a cassette inside the compartment when the unit is not in use. When bringing the unit from a cold place to a warm place, wait for about 10 minutes before operating it. If the tape operation buttons do not work due to moisture condensation, leave the power on for more than one hour.

• Television programmes, films, video tapes and other materials maybe copyrighted. Unauthorised recording of such materials maybe contrary to the provisions of the copyright laws.

Introduction

Thank you for choosing this Sony FD Trinitron "Combo" Colour Video TV.
Before operating the set, please read this manual thoroughly and retain it for future reference.

- Symbols used in the manual:
  - Informs you of possible hazards.
  - Important information.
  - Information on a feature.
  - **1,2..** Sequence of instructions.
  - Shaded buttons on the remote control show you the buttons you have to press to follow the sequence of the instructions.
  - Informs you of the result of instructions.

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*VIDEO Plus+ and Plus Code are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under license from Gemstar Development Corporation.

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Overview of Remote Control Buttons

Muting the Sound
Press to mute TV sound. Press again to restore the sound.

Displaying on Screen information
Press once to display On-Screen indications (first level).
Press twice to display On-Screen indications (second level)
Press a third time to cancel.

Ejecting a videotape
Press to eject the videotape

Selecting Teletext
Press to switch on teletext.

Selecting TV mode
Press to switch off teletext or video input.

VCR Operation buttons
For details refer to "VCR Operation" section of this instruction manual.

Displaying the menu system
Press to display the menu on the TV screen. Press again to remove the menu display from the TV screen.

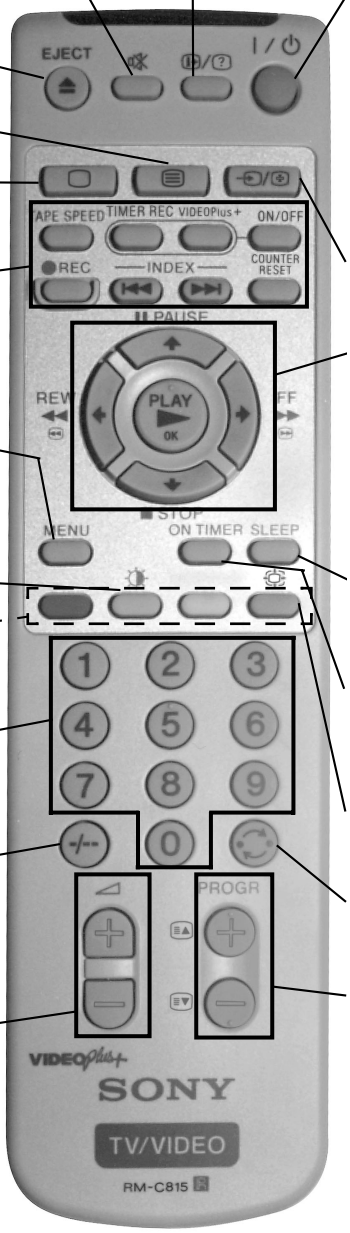
Selecting Picture mode
Press repeatedly to change the picture mode.

Fastext buttons
For details refer to "Teletext" section of this instruction manual.

Selecting channels
Press to select channels.

For double-digit programme numbers, e.g. 23, press -/-- first, then the buttons 2 and 3. If you enter an incorrect first digit, this should be corrected by entering another digit (0-9) and then selecting -/-- button again to enter the programme number of your choice.

Adjusting TV volume
Press to adjust the volume of the TV.



Temporarily Switch Off the Video TV
Press to temporarily switch off the Video TV (the standby indicator ⏻ on TV lights up). Press again to switch on the Video TV from standby mode.

⚠ By using this button to turn off the Video TV instead of the Main Power on/off button, settings will not be cleared unless the power is interrupted or you disconnect the AC power cord. In that case settings will be cleared after 7 days.

Selecting input source
Press repeatedly until the desired input symbol of the source appears on the TV screen.

- *When MENU is switched on:*
  Use these buttons to operate the menu system. For details refer to "Introducing and Using the Menu System" of this instruction manual (see page 7).
- *When MENU is switched off and a tape is inserted:*
  Use these buttons to operate VCR. For details refer to "Playing a Tape and Additional Tasks" section of this instruction manual (see page 10).

Sleep Timer
For details refer to "Switching Off the Video TV Automatically (Sleep Timer)" section of this instruction manual (see page 9).

On Timer
For details refer to "Switching On the Video TV Automatically (On Timer)" section of this instruction manual (see page 9).

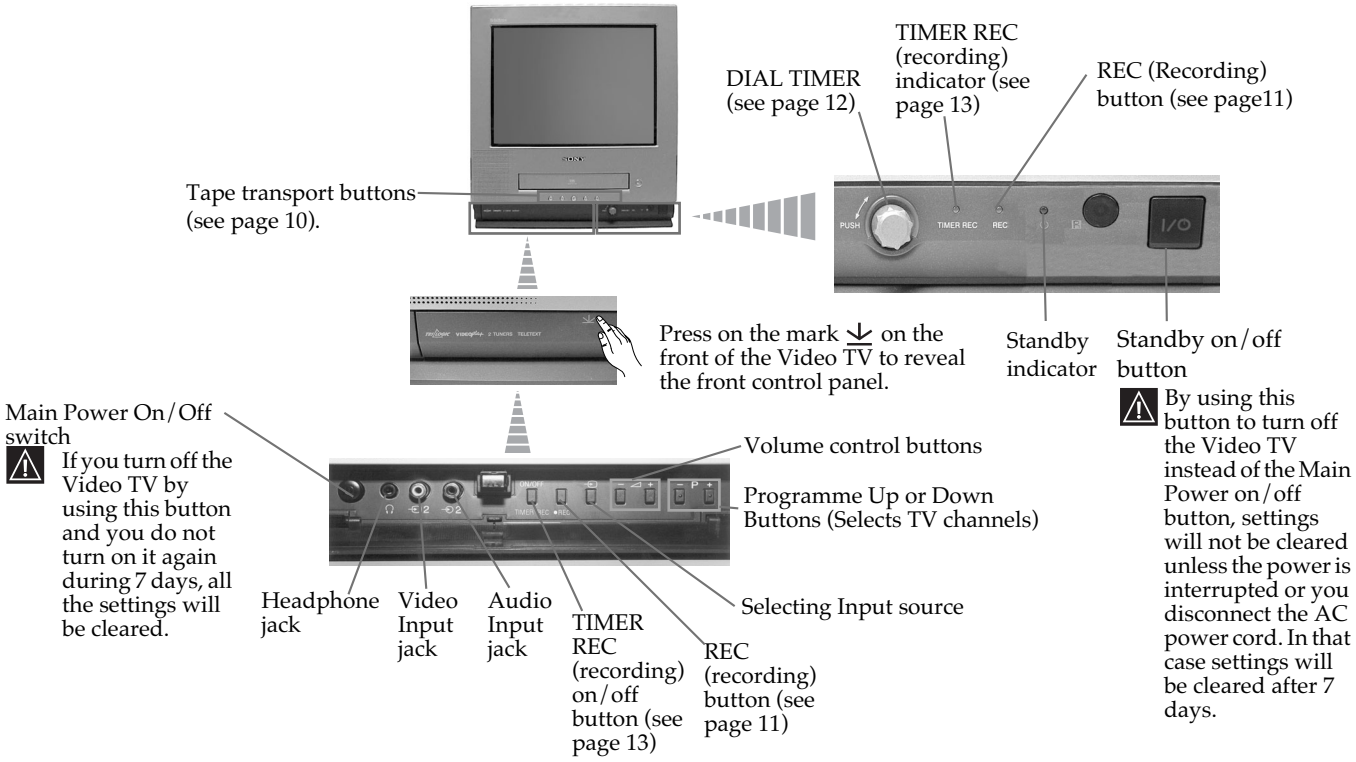
Selecting the TV Screen format
Press to view programmes in 16:9 mode. Press again to return to Normal (4:3) mode.

Back to the channel last watched
Press to watch the last channel selected (watched for at least 5 seconds).

Selecting channels
Press to select the next or previous channel.

Besides TV functions, all buttons with green symbols are also used for Teletext operation. For more details, please refer to ""Teletext" section of this instruction manual (see page 18).

Overview of Video TV Buttons


DIAL TIMER (see page 12)
TIMER REC (recording) indicator (see page 13)
REC (Recording) button (see page11)
Tape transport buttons (see page 10).
Press on the mark ⏚ on the front of the Video TV to reveal the front control panel.
Standby indicator
Standby on/off button
Main Power On/Off switch
If you turn off the Video TV by using this button and you do not turn on it again during 7 days, all the settings will be cleared.
Volume control buttons
Programme Up or Down Buttons (Selects TV channels)
Selecting Input source
Headphone jack
Video Input jack
Audio Input jack
TIMER REC (recording) on/off button (see page 13)
REC (recording) button (see page 11)
By using this button to turn off the Video TV instead of the Main Power on/off button, settings will not be cleared unless the power is interrupted or you disconnect the AC power cord. In that case settings will be cleared after 7 days.

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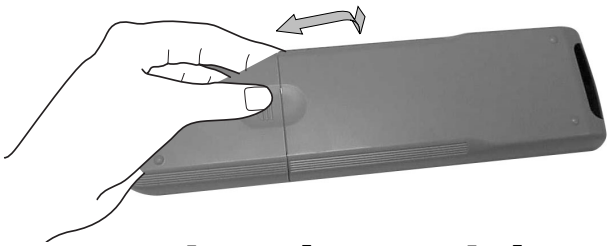
Inserting Batteries into the Remote Control

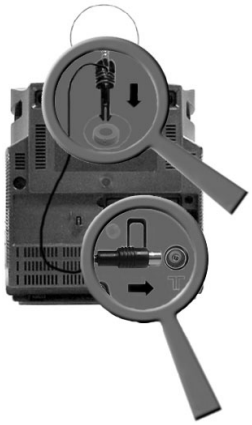
Make sure to insert the supplied batteries using the correct polarities.
Always remember you dispose of used batteries in an environmental friendly way.



Connecting the Aerial

Connecting an Indoor aerial (for KV-14FV1U only)

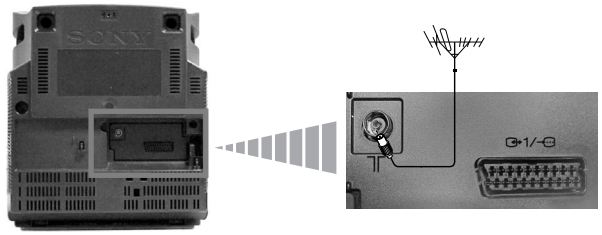
For a better reception we recommend you connect an external aerial. However, if your local UHF signal is strong, you can connect the supplied loop aerial as follows:



1 Insert the loop aerial into the holder on top of the Video TV until it clicks.
2 Connect the aerial connector to the aerial socket ⅂ on the rear of the set.
3 After turning on the Video TV, adjust the aerial for optimum reception.

Connecting an Outdoor aerial

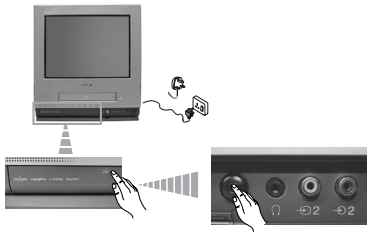
Connecting cables are not supplied.



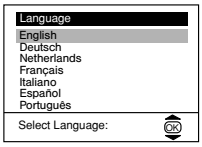
Switching On the Video TV and Automatically Tuning

⚠ The first time you switch on your TV, a sequence of menu screen appear on the TV enabling you to: 1) choose the language of the menu screen, 2) search and store all available channels (TV Broadcast), 3) change the order in which the channels (TV Broadcast) appear on the screen and 4) confirm the clock setting.
However, if you need to change any of these settings, you can do that by selecting the appropriate menu in the 🧰 (Set Up).

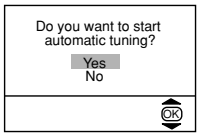
1 Connect the TV plug to the mains socket (220-240V AC, 50Hz)
Press the ⏻ main on/off button on the TV set to turn on the Video TV.
The first time you press this button, a Language menu displays automatically on the TV screen.



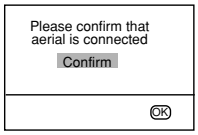
2 Press the ▼ or ▲ button on the remote control to select the language, then press the **OK** button to confirm your selection. From now on all the menus will appear in the selected language.



3 The **Auto Tuning** menu appears on the screen. Press the **OK** button to select **Yes**.

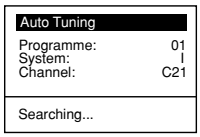


4 A new menu appears on the screen asking you to check that the aerial is connected. Ensure the aerial is connected and then press the **OK** button.



ⓘ The Video TV starts to automatically search and store all available channels (TV Broadcast) for you.

⚠ This procedure could take some minutes. Please be patient and do not press any button. Otherwise the automatic tuning will not be completed.

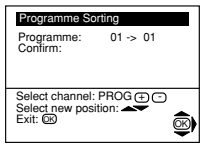


5 After all available channels are captioned and stored, the **Programme Sorting** menu appears automatically on the screen enabling you to change the order in which the channels appear on the screen.

a) If you do not wish to change the channel order, press **OK** and go to step 6.

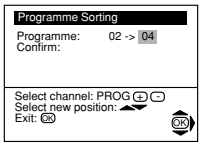
b) If you wish to change the channel order:

1 Press the **PROGR +** or **-** button to select the programme number with the channel (TV Broadcast) you wish to rearrange. This TV Broadcast will appear on the screen.



2 Press the ▼ or ▲ button to select the new programme number position for your selected channel (TV Broadcast), then press the **OK** button.

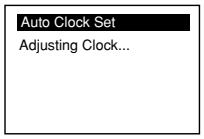
ⓘ The word **Confirm** is highlighted for a few seconds to confirm that the new programme position is stored.

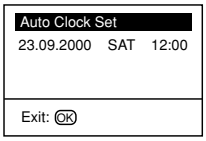


3 Repeat steps b)1 and b)2 if you wish to change the order of the other channels.

4 When you have finished rearranging the order of the channels, press **OK**.

6 The Video TV automatically adjusts clock setting, and after a few seconds date and time settings will be displayed.
If you want to change the time settings, you can adjust it manually through the menu system (for details, see "Setting the Clock Manually" section of this instruction manual (see page 7).





7 Press the **MENU** button to remove the menu from the screen.

Your Video TV is now ready for use

Introducing and Using the Menu System

Your Video TV uses an on-screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:

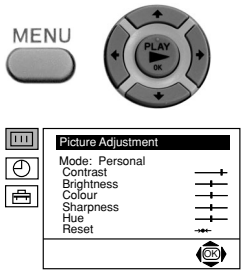
1 Press the **MENU** button to switch the first level menu on.

2 • To highlight the desired menu or option, press ▼ or ▲.
- To enter to the selected menu or option, press ▶.
- To return to the last menu or option, press ◀.
- To alter settings of your selected option, press ▼ / ▲ / ◀ or ▶.
- To confirm and store your selection, press **OK**.

3 Press the **MENU** button to remove the menu from the screen.

Picture Adjustment

The "Picture Adjustment" menu allows you to alter the picture adjustments.



To do that: by using the menu system and after selecting the item you want to alter press ▶, then press repeatedly ▼ / ▲ / ◀ or ▶ to adjust it and finally press **OK** to store the new adjustment.
This menu also allows you to customise the picture mode based on the programme you are watching:

▼ **Live** (for live broadcast programmes).
▼ **Movie** (for films).
▼ **Personal** (for individual settings).

- ***Brightness, Colour*** *and* ***Sharpness*** *can only be alterated if "Personal" mode is selected.*
- ***Hue*** *is only available for NTSC colour signal (e.g: USA video tapes).*
- *Select* ***Reset*** *and press* ***OK*** *to reset the picture to the factory preset levels.*

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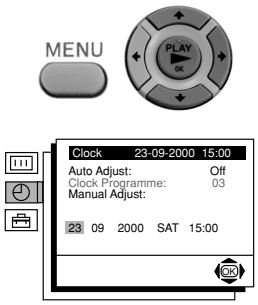
Setting The Clock Manually

The "Clock" option in the "Timer" menu allows you to manually set the clock whilst you are in TV mode.



To do that: by using the menu system and after selecting the option press ▶, then :

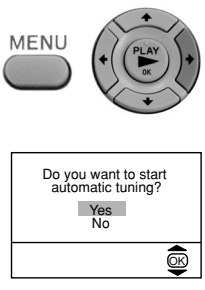
1 With **Auto Adjust** highlighted, press ▶ and next press ▼ or ▲ to select **Off**. Next press **OK**.

2 Select **Manual Adjust** and press ▶. With the day column highlighted, press ▼ or ▲ to set the date, then press ▶ and proceed in the same way to set the month, year, hour and minutes. Finally press **OK**.

- *It is important you correctly set the clock to use Timer Recording, Quick-Timer recording and On Timer functions.*
- *If power is interrupted or you turn off the Video TV using the main On/off power switch or you disconnect the AC power cord, after 7 days these settings will be cleared.*
- *To automatically set the clock whilst you are in TV mode select "Auto Adjust" "On" in the step above and in the "Programme" option select from which programme number you want to get the time.*
- *Because the Video TV gets clock settings from teletext signals (sent by broadcasters), even though you have selected Auto Adjust "On", we recommend that you check after Summertime and wintertime that the clock settings are correct, if not adjust it manually.*

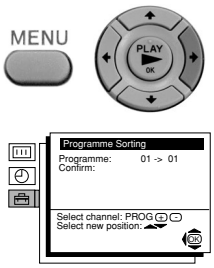
Automatically Tuning The Video TV

The "Auto Tuning" option in the "TV Set Up" menu allows you to automatically search for and store all available TV channels.



To do that: by using the menu system and after selecting the option, press ▶ and then proceed in the same way as in the section "Switching On the Video TV and Automatically Tuning". (see page 6, steps 3 and 4).

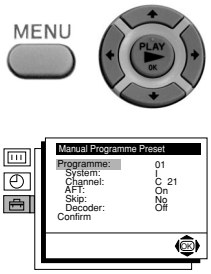
Changing The Programme Order Of The TV Channels



The "Programme Sorting" option in the "TV Set Up" menu allows you to change the order in which the channels (TV Broadcast) appear on the screen.

To do that: by using the menu system and after selecting the option, press ➧ and then proceed in the same way as in the section "Switching On the Video TV and Automatically Tuning" (see step 5b) on page 6).

Manually Tuning The TV

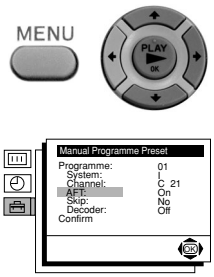


The "Manual Programme Preset" option in the "TV Set Up" menu allows you to preset channels one by one to the programme order of your choice. To do that:

1. By using the menu system and after selecting the "Manual Programme Preset" option, press ➧. Then with **Programme** option highlighted press ➧. Press ▼ or ▲ to select on which programme number you want to preset the channel. Then press ◄.
2. After selecting the **Channel** option, press ➧. Then press ▼ or ▲ to select the channel tuning ("C" for terrestrial channels or "S" for cable channels). Next press ➧. After that, press the number buttons to directly enter the channel number of the TV Broadcast. If you do not know the channel number, press ▼ or ▲ to search for it. When you tune the desired channel, press **OK** twice to store.

- *Repeat all the above steps to tune and store more channels.*

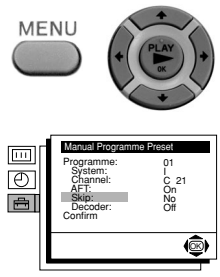
Fine Tuning Channels



Normally the Automatic Fine Tuning (AFT) is operating, however by using the "Manual Programme Preset" option in the "TV Set Up" menu you can manually fine tune the Video TV to obtain a better picture reception in the case that the picture is distorted.

To do that: while watching the channel (TV Broadcast) you wish to fine tune, and by using the menu system select the "Manual Programme Preset" option. Press ➧. With the **AFT** option highlighted, press ➧. Next press ▼ or ▲ to adjust the fine tuning between -15 and +15. Finally press **OK** twice to store.

Skipping Programme Positions

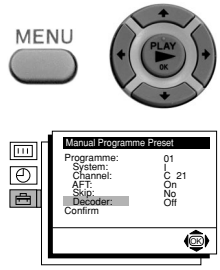


The "Manual Programme Preset" option in the "TV Set Up" menu allows you to skip any unwanted programme numbers when they are selected with the PROGR +/- buttons.

To do that: by using the menu system and after selecting the "Manual Programme Preset" option, press ➧. Then with the **Programme** option highlighted press ➧. Next, press ▼ or ▲ to select the programme number you want to skip. Press ◄. Then, select the **Skip** option and press ➧. Next press ▼ or ▲ to select **Yes**. Finally press **OK** twice to confirm and store.

- *To cancel this function afterwards, select "No" instead of "Yes" in the step above.*

Setting Pay-TV Channels

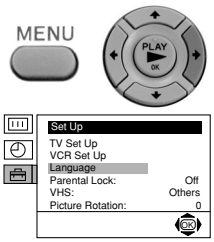


The "Manual Programme Preset" option in the "TV Set Up" menu allows you to watch Pay-TV channels by connecting a Pay-TV decoder to the Scart connector ⇨1/⇦ on the rear of the Video TV.

To do that: by using the menu system and after selecting the "Manual Programme Preset" option, press ➧. Then with the **Programme** option highlighted, press ➧. Next press ▼ or ▲ to select the programme number with the scrambled channel and press ◄. Select the **Decoder** option and press ➧. Next press ▼ or ▲ to select **On**. Finally, press **OK** twice to confirm and store.

- *While you are recording a programme which is being recorded through the Pay-TV decoder, you will not be able to view other programmes through the decoder.*

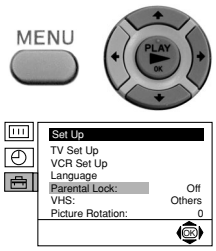
Selecting The Language Of The Menu Screens



The "Language" option in the "Set Up" menu allows you to select the language that the menus are displayed in.

To do that: by using the menu system and after selecting the option, press ➔ and then proceed in the same way as in the section "Switching On the TV and Automatically Tuning" (see page 6, step 2).

Locking The Video TV



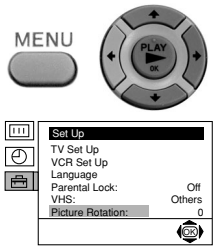
The "Parental Lock" option in the "Set Up" menu allows you to lock the buttons of the Video TV set. In this way, after this option is selected and the Video TV set is switched off, the buttons on the Video TV no longer operate. Use the remote control to operate the Video TV.

To do that: by using the menu system and after selecting the option, press ➔. Then press ↓ or ↑ to select **On**. Press **OK** to confirm and store and finally press I/⏻.

- *To cancel this function afterwards, select "Off" instead of "On" in the step above.*
- *If you have locked your Video TV and the remote commander is lost, press the I/⏻ button (during more than 5 seconds) on the set to operate it.*

Adjusting The Picture Rotation

(only for KV-21FV1U)

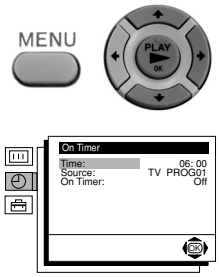


Because of the earth's magnetism, the picture may be slant. In this case, you can correct the pictures slant by using the option "Picture Rotation" in the "Set Up" menu.

To do that: by using the menu system and after selecting the option, press ➔. Then press ↓ or ↑ to correct any slant of the picture between -5 and +5 and finally press **OK** to store.

GB

Switching On The Video TV Automatically (On Timer)



The "On Timer" option in the "Timer" menu allows you to preset your Video TV to automatically switch on at a desired time. You can select the TV programme or video playback to be switched automatically on from standby mode.

To do that: by using the menu system and after selecting the option press ➔,

1. With **Time** option highlighted, press ➔. Press ↓ or ↑ to set the on-time hour then press ➔. Proceed in the same way to set the minutes and press **OK**.
2. With **Source** option highlighted, press ➔. Then press ↓ or ↑ to select the source to be switched on ("**TV**" or "**VCR**"). If you select "TV", press ➔ and then press ↓ or ↑ to select the programme number on which you want the Video TV to turn on. Press **OK**.
3. With **On Timer** option highlighted, press ➔ and then press ↓ or ↑ to select **On**. Press **OK**.
4. Finally press the standby button I/⏻. At the selected time, the Video TV switches on automatically.

- *Any loss of power will cause these settings to be cleared.*
- *By pressing the ON TIMER button on the remote control you can set the on/off setting of the On Timer, but it is not possible to change the time and programme settings.*

Switching Off The Video TV Automatically (Sleep Timer)

You can automatically switch the video TV into standby mode after a selected time period.

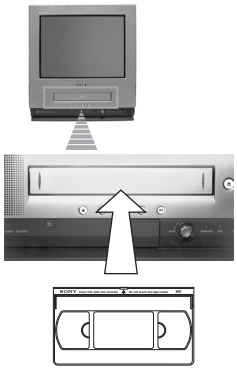
To do that: Press the **SLEEP** button on the remote control repeatedly to set the time period delay (OFF, 30, 60 or 90 minutes).

- *While watching the TV, you can press the ⓘ/? button on the remote control to display the time remaining.*
- *One minute before the Video TV switches itself into standby mode, a good night message will be displayed on the screen.*
- *To cancel this function afterwards, select "Off" in the step above.*

Playing a tape

1 Insert a cassette with the arrow indication ▲ facing upwards.
•If you insert a cassette with its safety tab removed, playback starts automatically.

2 Press **PLAY** ▶ and the playback starts. On Screen information is displayed for a few seconds.



Additional Tasks

You can operate all the video tasks by using the remote control buttons or the Video TV buttons.

To stop playback

Press **STOP** ■ and the Video TV returns to the normal TV picture.

To stop playback for a moment

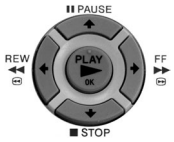
Press **PAUSE** ❚❚. Press it again to resume playback.

- *If you leave your Video TV in pause mode, normal playback resumes after about 5 minutes.*

To fast forward or rewind the tape

Press **STOP** ■, then press **FF** ▶▶ to fast forward or press **REW** ◀◀ to rewind.

or



To view the picture in fast forward or rewind mode

Press and hold **FF** ▶▶ during fast forward or **REW** ◀◀ during rewind. While you hold the button, you can view the picture.

When you release the button, fast forward or rewind mode is resumed.

If you use the buttons on the remote commander, press **FF** ▶▶ or **REW**◀◀ once, it is not necessary to hold the button. In this case to resume normal playback, press **PLAY** ▶.

To search a tape at high speed

During playback, press and hold **REW** ◀◀ (rewind) or **FF** ▶▶ (fast forward). A high speed picture appears on the TV screen.

- *To resume normal playback, release the button.*

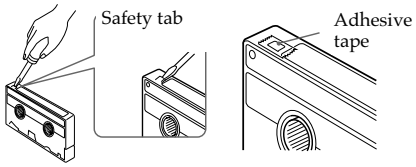
To eject a cassette

Press **EJECT** ⏏.

- *You can eject the cassette even if the Video TV is in standby mode.*

Protecting your cassette against accidental erasure

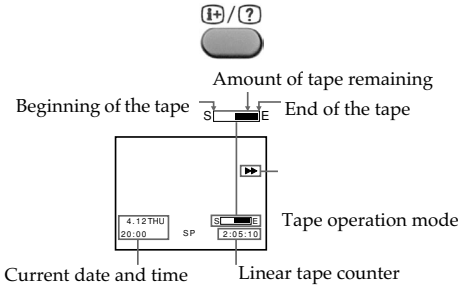
To prevent accidental erasure, break off the safety tab as illustrated.



- *To record on a cassette without a safety tab, simply cover the tab hole with adhesive tape.*

Displaying On-Screen Information

In Play mode, press the i+/? button to display the following on-screen information. To show only the amount of remaining tape and the linear tape counter on the screen, press i+/? again.
To make the information disappear, press i+/? repeatedly until no information is displayed on the screen.



Resetting the tape counter

The tape counter helps you to locate a certain scene after playback.
Press the **COUNTER RESET** button on the remote control to set the counter to "00:00:00" before playing the tape. The tape counter is automatically reset to zero whenever a cassette is inserted. The Video TV keeps counting the length of the tape being played. Note, however, that the tape counter does not count the portions without video signals recorded.

Recording TV programmes

1 In standby mode, press the standby button I/⏻ to turn on the Video TV.

2 Insert a cassette with a safety tab.

3 Press **PROGR +** or **–**, or the number buttons to select the programme number.

4 Press **TAPE SPEED** to select the recording speed: **SP** for Standard Play or **LP** for Long Play.

- *In SP mode, the tape runs twice as fast as the LP mode. This means that in LP mode you can record twice as much as you can in SP mode.*

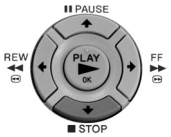
5 Press **REC ●**.

The REC indicator on the front of the Video TV lights up and recording begins.

To stop recording

Press **STOP ■**.

- *When the tape reaches the end, the Video TV rewinds the tape automatically to the beginning, then stops. This function does not work when the power of the Video TV is off.*



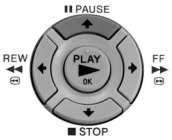
To pause recording

You can cut out an unwanted scene during recording with this button.

1 Press **PAUSE ❚❚** when an unwanted scene appears on the screen, then recording pauses.

2 Press **PAUSE ❚❚** again to release the pause mode at the desired scene, then recording resumes from the point set in step 1.

- *When the recording pause mode lasts for about 5 minutes, the Video TV stops recording to prevent tape damage.*



Continues Recording with the TV off

Whilst you are recording, press I/⏻. The Video TV is turned off. However, recording continues and the REC indicator on the Video TV lights up.

GB

Recording TV programmes using DIAL-TIMER

The Dial-Timer recording function allows you to preset your Video TV to record one programme within a 24 hour period. For setting the Dial-Timer, use the DIAL TIMER button on the Video TV.

Before you begin:

- Make sure that the clock is set correctly. If it is not, refer to the "Setting the Clock Manually" section of this instruction manual (see page 7).
- Make sure that the loaded cassette has its safety tab intact.
- Make sure that the Video TV is not in the timer recording standby mode (the TIMER REC indicator on the Video TV should not be lit).

1 In standby mode, press the standby button I/⏻ to turn on the Video TV.

2 Press **DIAL TIMER**. The "Dial Timer" menu appears on the screen.

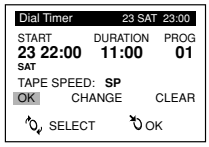
3 Turn **DIAL TIMER** to set the hour of the start time, then press **DIAL TIMER** to confirm.

4 Proceed in the same way as in step 3 to set the minutes of the recording start time, the recording time period and programme number to be recorded.

- *The hour increases or decreases by one hour.*
- *The minutes increase or decrease by one minute.*
- *The recording time period increases or decreases by 15 minutes.*
- *The programme position changes as follows*

0 <—> 1 <—> 2... <—> 99 <—> L1 <—> L 2 <—> 0 <—>1

- *L1 is used for the equipment connected to the Scart connector ⇨1/⇦ on the rear of the Video TV.*
- *L2 is used for the equipment connected to the front connectors ⇦ and ⇦ .*



5 With **TAPE SPEED** highlighted, turn the **DIAL TIMER** to select the recording speed: **SP** for Standard Play or **LP** for Long Play, then press the **DIAL TIMER**.

- *In LP mode you can record twice as much you can in SP mode.*

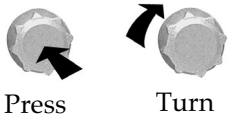
6 Turn **DIAL TIMER** to move the cursor to **OK**, then press **DIAL TIMER** to confirm all the settings.

- *If a warning message appears on the screen, the recording will be cancelled. You must re-enter again the Dial timer settings.*

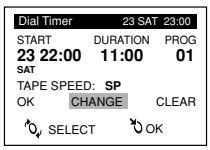
The Dial Timer indicator on the Video TV lights up and the Video TV enters into timer recording standby mode.

Changing or Cancelling the Dial Timer settings

1 Press **DIAL TIMER**.
The Dial Timer menu appears on the screen.



2 Turn **DIAL TIMER** to **CHANGE** (to change the recording settings) or to **CLEAR** (to clear the recording settings) and press **DIAL TIMER**.



3 **a)** If you have selected **CLEAR**, press **DIAL TIMER** and all the settings will be cleared.

b) If you have selected **CHANGE**, you can change all the settings by following steps from 2 to 5 of the above section "Recording TV Programmes using DIAL TIMER".

Recording TV Programmes Using the Timer

This function allows you to preset your Video TV to record up to 5 programmes within a one-month period.

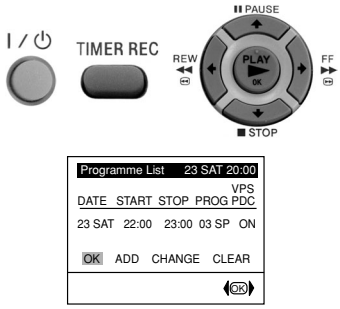
Before you begin:

- Make sure that the clock is set correctly. if it is not, please refer to the section "Setting the Clock Manually"(see page 7).
- Make sure that the loaded cassette has its safety tab intact.

Setting the Timer

1 In standby mode, press the standby button I/⏻ to turn on the Video TV.

2 Press the **TIMER REC** button to display the Programme List menu.



3 Press ↓ or ↑ repeatedly to set the date (for daily and weekly recording, refer to the section "Daily/Weekly Recording" below), then press →.

4 Proceed in the same way as in step 3 to set recording start time, recording stop time, programme number, tape speed (SP or LP) and VPS/PDC "On" or "Off".

If you have made a mistake during timer setting, press ← to return to the previous position and correct the setting.

- **Date:**
  Daily/Weekly Recording
  You can preset your Video TV to record the same programme every day of the week (daily recording) or the same programme on the same day every week (weekly recording).
  Whilst you are in DATE position, with each press of ↓, the setting changes as follows:
  23 SAT (today) —> MON-SUN —> MON-SAT —> MON-FRI —> SAT (means every Saturday...) —> FRI —> SUN —> 22 (next month).—>...
- **Time:**
  - *The hour increases or decreases by one hour.*
  - *The minutes increase or decrease by one minute.*
- **Programme number:**
  - The programme position changes as follows:
    0 <—> 1 <—> 2... <—> 99 <—> L1 <—> L 2 <—> 0 <—>1
  - L1 is used for the equipment connected to the Scart connector 1/⇥ on the rear of the Video TV.
  - L2 is used for the equipment connected to the front connectors ⇥ and ⇥ .
- **Tape Speed:**
  - In "LP" mode you can record twice as much as you can in "SP" mode
- **VPS/PDC:**
  - For details refer to "Timer recording with VPS/PDC signals" section of this instruction manual (see page 14).

5 Press **OK**.

6 If you want to set more programmes, press ← or → to move the cursor to **ADD** and then press **OK**. Repeat steps from 3 to 5.

7 After setting all your desired programmes press ← or → and highlighting **OK**, press the **OK** button to confirm your settings.

The TIMER REC indicator on the Video TV lights up and the Video TV enters into timer recording standby mode.

To Stop Timer Recording

Press the **ON/OFF** button on the remote control, the TIMER REC indicator on the Video TV turns off.

Using the Video TV before Timer Recording starts

You can watch a TV programme, check the timer settings and reset the counter in timer recording standby mode. However, if you want to eject the cassette, use the tape operation buttons, change or cancel the timer settings, you have to press the **ON/OFF** button on the remote control to turn off the TIMER REC indicator on the Video TV set.

Remember to press the **ON/OFF** button again to make the TIMER REC indicator lights up. The set comes back into the timer recording standby mode.

GB

Timer recording with VPS/PDC signals

Some broadcasting systems transmit VPS (Video Programme System) signals or PDC (Programme Delivery Control) signals with the TV programmes. These signals ensure you that your timer recordings are made regardless of broadcast delays, early starts, or broadcast interruptions. For example, if an urgent news bulletin interrupts a regular programme, recording stops. As soon as the interrupted programme resumes, recording starts again. To do that:

1 When you set a programme to be recorded by using the timer, (refer to the "Setting the Timer" section on page 13), set **VPS/PDC** to **On**.

- *If recording times overlap due to a VPS/PDC time shift, the programme that was broadcast first has priority. Recording of the second programme begins when the first programme has finished.*
- *If the Video TV could not receive VPS/PDC signal because it was too weak or because the station failed to transmit VPS/PDC signals, timer recording is made without the VPS/PDC function.*

Recording TV Programmes Using VIDEOPlus+® system

The VIDEOPlus+ function allows you to simplify the task of making timer recordings. Using VIDEOPlus+, you can make all the necessary settings by just entering the desired programme PlusCode number, which is available in your local programme guide.

Before you begin:

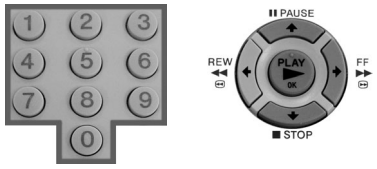
- Make sure that the loaded cassette has its safety tab.

1 In standby mode, press the standby button I/⏻ to turn on the Video TV.

2 Press the **VIDEOPLUS+** button to display the VIDEOPlus+ menu.

3 Press the number buttons to enter the desired programme's PlusCode number and press **OK**.

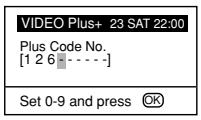
- *If you have made a mistake, press ◀ and re-enter the correct number.*



4 The date and time setting for the recording are automatically shown on the screen. With **PROG** column highlighted, press ▼ or ▲ to select the correct programme number and then press ▶.

5 Press ▼ or ▲ to select the recording speed: **SP** or **LP**. Then press ▶.

- *In LP mode you can record twice as much as you can in SP mode.*

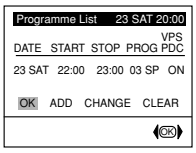


6 Highlighting the **VPS/PDC** column, press ▼ or ▲ to select **On** or **Off**. (for details, refer to "Timer recording with VPS/PDC signals" section above). Then press ▶.

7 The Programme List menu appears on the screen. If the recording settings are correct, highlight **OK** and press the **OK** button to confirm.

8 If you want to check, add, change or cancel your settings please refer to the "Checking / Adding / Changing / Cancelling the Timer Settings" section (see page 15).

The TIMER REC indicator on the front of the Video TV lights up and the set enters into timer recording standby mode.



Guide Channels for VIDEOPlus+ system

Guide channel	Station name
001	BBC1
002	BBC2
003	ITV
004	CHANNEL 4
005	CHANNEL 5
006	RTE (IRELAND)
007	NETWORK 2 (IRELAND)
008	TV NA GAELTACHTA
009	TV3
011	S4C
101	SKY ONE
102	SKY NEWS
103	SKY MOVIE MAX
104	SKY MOVIES PREMIER
105	SKY SPORT 1
106	NICKELODEON
107	EUROSPORT & BRITISH EUROSPORT
108	ITV2
109	MTV EUROPE
110	CHALLENGE TV
111	THE DISNEY CHANNEL
113	UK ARENA
114	UK STYLE
115	UK HORIZONS
116	FILMFOUR
117	CARLTON CINEMA & CHAMPIONS ON 28
118	CARLTON WORLD
119	NATIONAL GEOGRAPHIC
121	BBC CHOICE
122	SCIENCE FICTION
123	UK GOLD
124	DISCOVERY
125	TROUBLE
126	CNN
127	RACING
128	PERFORMANCE
129	SKY CINEMA
130	LIVING
131	GRANADA PLUS
132	UK GOLD2

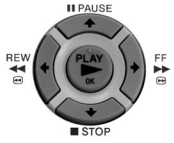
Guide channel	Station name
133	TV5 EUROPE
134	CHAMPIONS ON 99
135	TNT
136	QVC
137	ANIMAL PLANET
138	BBC KNOWLEDGE
139	UK PLAY
140	SKY SPORT 2
141	FOX KIDS
142	GRDA BREEZE
143	LIVE TV
144	CNBC
145	VIDEO HITS ONE / VH-1 (ENGLISH)
146	SELECT TV
147	ZEE TV
148	SKY SPORT 3
149	CARTOON NETWORK
150	SKY MAX 2
151	SKY MAX 3
152	SKY MAX 4
153	SKY PREMIER 2
154	SKY PREMIER 3
155	SKY PREMIER 4
156	SKY CINEMA 2
157	S4C DIGITAL
158	SKY PREMIER WIDESCREEN
159	S2
160	TV YOU
161	SKY MAX 5
162	TCM (TURNER CLASSIC MOVIES) TNT Channel
163	HISTORY
165	DISCOVERY HOME AND LIESURE
166	BRAVO
167	SKY TRAVEL
168	GRANADA MEN & MOTORS
169	.TV
170	ADULT TECHNOLOGY
171	PLAYBOY TV
173	PARAMOUNT COMEDY CHANNEL
175	SKY SPORTS EXTRA
176	SKY SPORTS NEWS

GB

Checking/Adding/Changing/Cancelling the Timer Settings

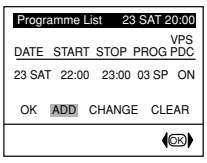
1 Press the **TIMER REC** button on the remote control to display a list of the timer settings that you have preset. If you just want to check the list, go to step 4. If you want to add, change or clear any setting, please follow all the steps below.

2 Press ➔ or ← repeatedly to select **ADD, CHANGE** or **CLEAR** and press **OK**.



3 **a)**To add new settings:
Repeat steps from 3 to 7 of the section “Setting the Timer” (see page 13).

b) To change the settings:
Press ↓ or ↑ repeatedly to move the cursor to the setting you want to change, then press **OK**. Finally repeat steps from 3 to 7 of the section “Setting the Timer” (see page 13).



If you notice you have overlapped timer settings, you can correct the settings as mentioned above. Otherwise, the second programme starts recording only after the first programme has finished.

c) To clear the settings:
Press ↓ or ↑ repeatedly to move the cursor to the setting you want to delete, then press **OK**. The setting is cleared and “--“ appears.

4 When you finish adding, changing or cancelling the settings, press ↓ or ↑ to select **OK** and then press the **OK** button.

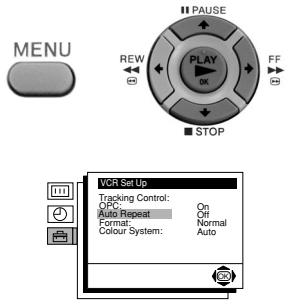
If there are other timer settings in the list, the Video TV enters the timer recording standby mode and the TIMER REC indicator on the Video TV set lights up.

Playing a Tape Repeatedly

The "Auto Repeat " option in the "VCR Set Up" menu allows you to play a recorded tape repeatedly.

To do that: by using the menu system and after selecting the option, press ➧. Then press ⬇ or ⬆ to select **On**. Finally press **PLAY** ▶ to start the playback. When the tape reaches its end, the video TV rewinds the tape to the beginning and then, plays it again.

• To cancel this function, select "Off" instead of "On" in the step above.



Searching Using the Index Function

The Video TV marks the tape with an index signal at the point where each recording begins. These signals can be used to find a specific recording. This Video TV can search up to 99 index signals ahead of or behind the current position.

To do that:

1 Insert a tape.

2 Press **INDEX** ⏮ or ⏭ repeatedly to specify how many index signals ahead or behind you want to search in relation to the current tape position. The Video TV begins searching for the selected index. When the index is reached, playback begins automatically.

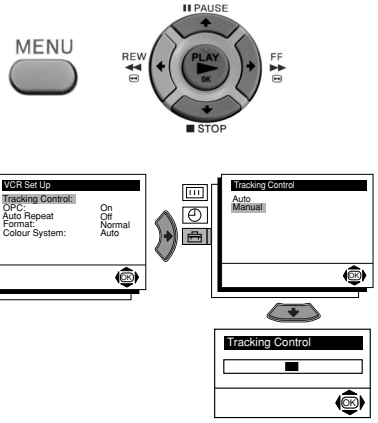
• You can stop searching by pressing STOP ■.

Adjusting the Tracking

The tracking condition is automatically adjusted on this Video TV. The AUTO TRACKING message appears while the Video TV is searching for the best tracking condition.
However, if streak or snow noise appears on the video playback, you can adjust the tracking condition manually by using the "Tracking Control" menu in the "VCR Set Up" menu.

To do that: Whilst you are in play mode and by using the menu system, select the **Tracking Control** menu and press ➧. Press ⬇ or ⬆ to select **Manual** and press ➧. When the tracking meter appears on the screen press ⬇ or ⬆ to reduce the picture noise and get the best picture quality. Finally press **OK**.

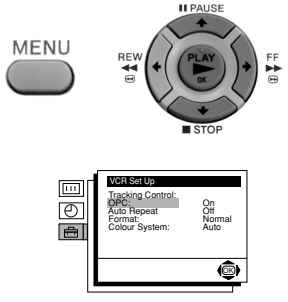
• To cancel this function, select "Auto" instead of "Manual" in the step above.



Adjusting the Picture with the Optimum Picture Control (OPC)

The "OPC" option in the "VCR Set Up" menu allows you to improve playback and recording quality by adjusting the system parameter automatically according to the condition of the video tape. The OPC function works on all types of tapes, even on rental tapes. This function is set to "On" at the factory. To maintain better picture quality, we recommend you leave the function on.

To do that: Whilst you are in play mode and by using the menu system, select the **OPC** option and press ➧. Then press ⬇ or ⬆ to select **On** or **Off**. Finally press **OK**.

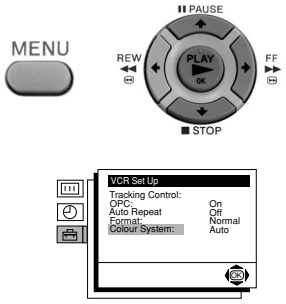


Setting the Colour System

The colour system is set to "Auto". However, by using the "Colour System Option" in the "VCR Set Up" menu you can set the colour system to the corresponding system that the tape was recorded in. You may want to change it if you notice streaks appearing on the screen during playback

To do that: Whilst you are in play mode and by using the menu system, select the **Colour System** option and press ↠. Then press ↓ or ↑ to select the corresponding colour system (**Auto, MESECAM, PAL** or **NTSC**). Finally, press **OK**.

• *To cancel this function afterwards, select again "Auto" in the step above.*

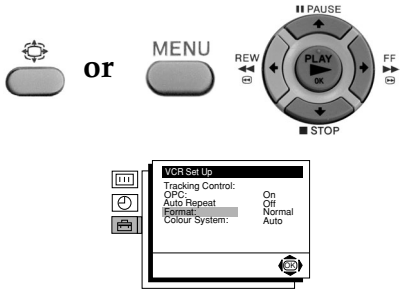


Viewing Programmes in 16:9 Mode

When viewing recordings of programmes which were originally broadcast in 16:9 mode, you can set your Video TV to 16:9 mode to prevent a distorted picture.

To do that: : Press repeatedly the button ⊕ on the remote control to select 16:9 or Normal (4:3 format). You can also do it, by using the menu system. In that case, select the **Format** option in the "VCR Set Up" menu and press ↠. Then press ↓ or ↑ to select **16:9** or **Normal**. Finally, press **OK**.

• *When you change channels, switch between input sources or turn the power on and off, the Video TV will switch back to normal mode.*



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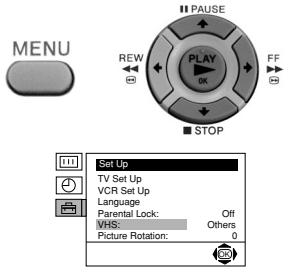
When Connecting to a Sony VCR

If you use this Video TV with another Sony VCR, the remote control may accidentally operate both the Video TV and VCR at the same time. The **VHS** option in the "Set Up" menu allows the remote control to operate only this Video TV.

To do that: by using the menu system and after selecting the **VHS** option, press ↠. Then press ↓ or ↑ to select **Sony**. Finally, press **OK**.

• *To cancel this function afterwards, select "Others" in the step above.*



Teletext

Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

Make sure to use a channel (TV Broadcast) with a strong signal, otherwise teletext errors may occur.

To Switch On Teletext:

After selecting the channel (TV Broadcast) which carries the teletext you wish to view, press .

To Select a Teletext page:

Input 3 digits for the page number, using the numbered buttons.

- *If you have made a mistake, retype the correct page number.*
- *If the counter on the screen continues searching, it is because this page is not available. In that case, input another page number.*

To access the next or preceding page:

Press PROGR + ( ) or PROGR - ( ).

To superimpose teletext on to the TV picture:

Whilst you are viewing teletext, press . Press it again to cancel teletext mode.

To freeze a teletext page:

Some teletext pages have sub-pages which follow on automatically. To stop them, press / .

Press it again to cancel the freeze.

To reveal concealed information (e.g: answer to a quiz):

Press / . Press it again to conceal the information.

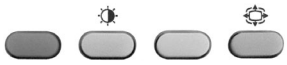
To Switch Off Teletext:

Press .

Fastext

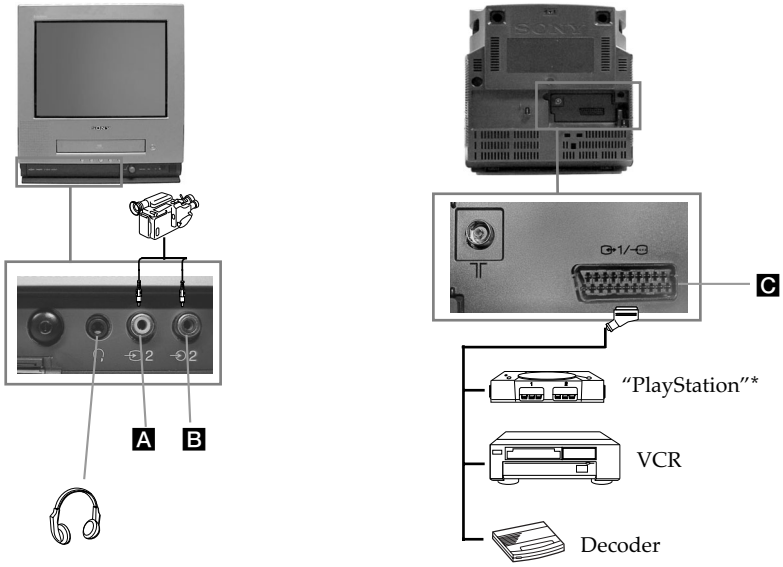
Fastext service lets you access pages with one button push.

While you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the colour button (red, green, yellow or blue) to access the corresponding page.



Connecting Optional Equipment

Using the following instructions, you can connect a wide range of optional equipment to your Video TV set. (Connecting cables are not supplied).



* "**PlayStation**" is a product of Sony Computer Entertainment, Inc.
* "**PlayStation**" is a trademark of Sony Computer Entertainment, Inc.

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Using Optional Equipment

In order to get the input signal of the equipment connected onto the TV screen, you need to select the symbol of the connector to which you have connected the device.
e.g.: You have connected a "PlayStation" to the connector with the symbol ⇨1/⇦. Press the button ⇦ on the remote control repeatedly until you see the symbol ⇦1 on the screen.

1 Connect your equipment to the designated Video TV socket, as indicated above.

2 To watch the picture of the connected equipment, press the ⇦ button repeatedly until the correct input symbol appears on the screen.

Symbol	Input Signals
⇦1	• Audio / video input signal through the Scart connector **C**.
⇦	• RGB input signal through the Scart connector **C**.
⇦2	• Video and audio input signals through the phono sockets **A** and **B**.

3 Switch on the connected equipment.

4 Press ▢ button on the remote control to return to the normal TV picture.

Editing with another VCR

Using an additional VCR and connecting as it is in the section above "Connecting Optional Equipment", you can edit a tape.

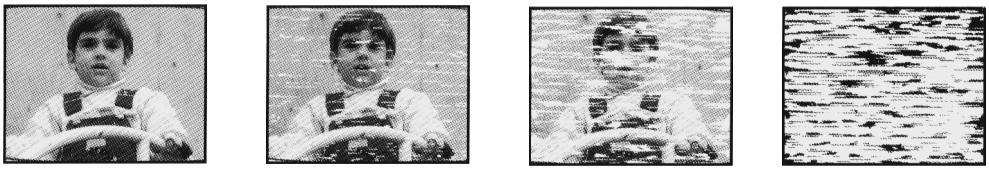
Video Head Cleaning

The Auto Head Cleaner built into this set automatically cleans the video heads when a cassette is loaded or unloaded. However, if the playback pictures are noisy, hardly visible or no picture appears, the video heads probably need an extra cleaning. In this case, clean the video heads using the V-25CL video head cleaning tape (not supplied) or ask Sony service personnel to clean the video heads.

Do not use a commercially available wet-type cleaning tape, as it may damage the video heads.

Symptoms caused by contaminated video heads

• Normal picture **• Rough picture** **• Unclear picture** **• No picture (or black& white screen appears)**



initial → **terminal**

Worn Video heads

If your Video TV displays a poor picture after you clean the video heads, you may need to replace them. Consult your dealer or the local Sony Service Centre.

Check the video heads after 1,000 hours of use

A Video TV is a high precision machine. It must record on or play from magnetic tapes on which the image signals from the colour TV or the video camcorder are recorded.
The video heads or mechanical parts for transporting the tape can become worn or contaminated after extended use. You should have your Video TV checked after each 1,000 hours of use.

Specifications

TV Section

TV system:
I

Colour system:
PAL
SECAM, NTSC 3.58, 4.43 (only Video In)

Channel Coverage:
UHF: B-21, B69

Picture Tube:
- KV-14FV1U:
  Flat Display Trinitron.
  14″ (approx. 37 cm. measured diagonally)
- KV-21FV1U:
  Flat Display Trinitron.
  21″ (approx. 55 cm. measured diagonally)

VCR Section

Format:
VHS Standard

Video recording system:
Rotary 2-head helical scanning system

Audio recording system:
Monaural

Video signal:
This Video TV is designated to receive TV programmes based on PAL (I) colour system and to record and play on PAL system. The Video TV can also play tapes on NTSC colour system.

Tape speed:
PAL:
SP: 23.39 mm/sec.
LP: 11.70 mm/sec.

NTSC (playback only):
SP: 33.35 mm/sec.
LP: 11.12 mm/sec.

Maximum recording time:
SP: 4 hours with E-240 tape
LP: 8 hours with E-240 tape

General

Rear Terminals
1/ 21-pin scart connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.

Front Terminals
2 video input – phono jack
2 audio input – phono jack
headphones jack

Clock
Quartz locked

Clock back up
Approx. 7 days

Power requirements
220-240 V AC, 50Hz

Sound Output:
1 x 6W (music power)
1 x 3W (RMS Mono)

Power Consumption:
- KV-14FV1U: 86 W
- KV-21FV1U: 107 W

Standby Power Consumption:
< 2 W

Dimensions:
- KV-14FV1U: Approx. 375 x 398 x 407 mm.
- KV-21FV1U: Approx. 489 x 500 x 477 mm.

Weight:
- KV-14FV1U: Approx. 15.6 Kg.
- KV-21FV1U: Approx. 27.2 Kg.

Accessories supplied:
1 Remote Control (RM-C815)
2 Batteries (IEC designated)
1 loop aerial (only for KV-14FV1U)

Other features:
Teletext, Fastext, TOPtext
Sleep Timer
Wake UP Timer
Parental Lock
Auto Head Cleaner
Dial Timer
VIDEOPlus+ System

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Design and specifications are subject to change without notice.

Ecological Paper- Totally Chlorine Free

Troubleshooting

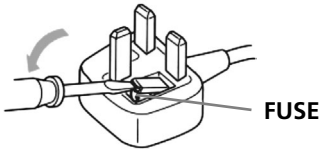
If you have any problems while viewing your Video TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

Problem	Solution
TV Section	
No picture (screen is dark) and no sound.	• Check the aerial connection. • Plug the Video TV in and press the ⏻ button on the front of TV or if the standby indicator ⏻ is on, press I/⏻ button.
Poor or no picture (screen is dark), but good sound.	• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to the factory settings.
No picture when watching equipment connected to the Scart connector.	• Check that the optional equipment is on and press the ⏎ button repeatedly on the remote control until the correct input symbol is displayed on the screen.
Good picture, no sound.	• Press the ◿ +/- button on the remote control.
No colour on colour programmes.	• Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings.
Distorted picture when changing programmes or selecting teletext.	• Turn off any equipment connected to the Scart connector on the rear of the TV.
Picture slanted (only for KV-21FV1U).	• Using the menu system, select the "Picture Rotation" option in the "Set Up" menu to correct the picture slant.
Noisy picture when viewing a TV channel.	• Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better picture reception.
Clock section	
The clock has stopped and "--:--" is displayed.	• Reset the clock and timer settings. for details refer to the section "Setting the Clock Manually" (see page 7).
Playback section	
Power is on, but the tape does not run.	• Switch off, disconnect the AC power cord and leave the set for about one minute.
Poor playback picture.	• Using the menu system, select the "VCR Set Up" menu and check the "Colour System" option. • Adjust the tracking manually. For details refer to the section "Adjusting the Tracking" (see page 16). • Clean the video heads. For details refer to the section "Video Head Cleaning" (see page 20). • Use a new tape.
The sound drops out.	• Use a new tape.
Recording section	
The cassette is ejected when you press REC ●.	• Cover the safety tab hole. For details refer to the section " "Protecting your cassette against accidental erasure" (see page 10).
Cannot record.	• Insert a cassette with its safety tab intact. • Rewind the tape.
Timer recording section	
Cannot program a recording using the timer.	• Set the current time and date. For details refer to the section "Setting Clock Manually" (see page 7).
The cassette is ejected when you press TIMER REC ON/OFF.	• Cover the safety tab hole. For details refer to the section " "Protecting your cassette against accidental erasure" (see page 10).
The TIMER REC indicator on the front of the Video TV does not light up even though you press TIMER REC ON/OFF.	• Insert a cassette with its safety tab intact. • Rewind the tape. • Check the settings for timer recording. For details refer to the section "Checking/Adding/Changing/Cancelling the Timer Settings" (see page 15).
Others	
A cassette cannot be inserted.	• Press EJECT ⏏ to eject the cassette that it is already inserted.
Remote control does not function.	• Replace the batteries.
The standby indicator I/⏻ on the Video TV flashes.	• Contact to your nearest Sony service centre.

⚠ **In case of problems, have your TV serviced by qualified personnel. Never open the casing yourself.**

NOTICE FOR CUSTOMERS IN THE UNITED KINGDOM

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience.
Should the fuse in the plug supplied need to be replaced, a 5 AMP fuse approved by ASTA or BSI to BS 1362 (i.e. marked with ⓐ or ♡) must be used.
When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.
If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



How to replace the fuse

Open the fuse compartment with a blade screwdriver, and replace the fuse.

- **IMPORTANT**

  If the plug supplied is not suitable for the socket outlets in your home, it should be cut off and an appropriate plug fitted in accordance with the following instructions:
  The wires in this mains lead are coloured in accordance with the following code:
  Blue Neutral
  Brown Live
  As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
  The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green and yellow.

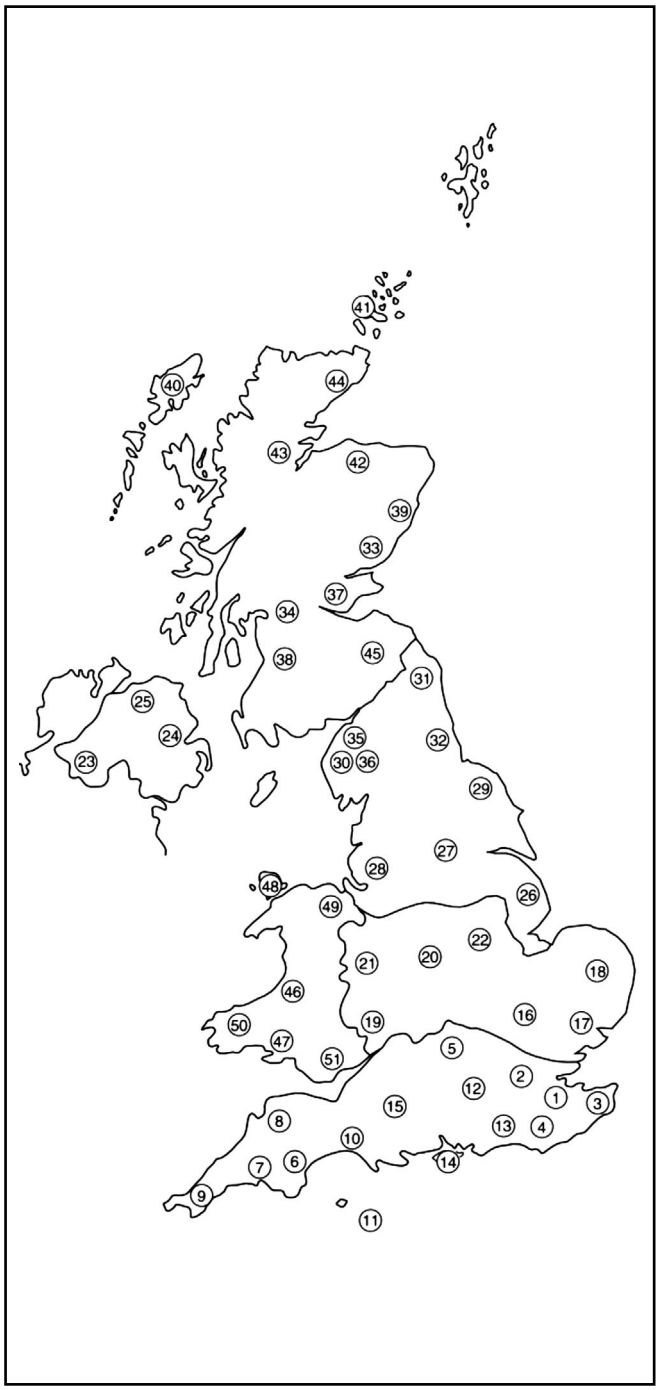
WARNING

- To prevent shock hazard, do not insert the plug cut off from the mains lead into a socket outlet. This plug cannot be used and should be destroyed.
- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- Dangerously high voltages are present inside the set. Do not open the cabinet. Refer servicing to qualified personnel only.

Television Channel Number Guide for United Kingdom

Only the main transmitters are listed. Information regarding the regional sub-relay channel numbers can be obtained by contacting The BBC Engineering Information Dept., Telephone Number 020 7852 5040.

MAIN TRANSMITTERS	BBC1	BBC2	ITV	CH4	CH5
London & South East					
(1) Bluebell Hill	40	46	43	65	-
(2) Crystal Palace	26	33	23	30	-
(3) Dover	50	56	66	53	-
(4) Heathfield	49	52	64	67	-
(5) Oxford	57	63	60	53	49
South-West					
(6) Beacon Hill	57	63	60	53	-
(7) Caradon Hill	22	28	25	32	-
(8) Huntshaw Cross	55	62	59	65	67
(9) Redruth	51	44	41	47	37
(10) Stockland Hill	33	26	23	29	-
Channel Islands					
(11) Fremont Point	51	44	41	47	-
South					
(12) Hannington	39	45	42	66	-
(13) Midhurst	61	55	58	68	-
(14) Rowridge	31	24	27	21	-
West					
(15) Mendip	58	64	61	54	37
East					
(16) Sandy Heath	31	27	24	21	39
(17) Sudbury	51	44	41	47	-
(18) Tacolneston	62	55	59	65	52
Midlands (West)					
(19) Ridge Hill	22	28	25	32	-
(20) Sutton Coldfield	46	40	43	50	-
(21) The Wrekin	26	33	23	29	-
Midlands (East)					
(22) Waltham	58	64	61	54	-
Northern Ireland					
(23) Brougher Mountain	22	28	25	32	-
(24) Divis	31	27	24	21	-
(25) Limavady	55	62	59	65	-
North					
(26) Belmont	22	28	25	32	56
(27) Emley Moor	44	51	47	41	37
North-West					
(28) Winter Hill	55	62	59	65	48
North-East					
(29) Bilsdale West Moor	33	26	29	23	-
(30) Caldbeck	30	34	28	32	56
(31) Chatton	39	45	49	42	-
(32) Pontop Pike	58	64	61	54	-
Scotland					
(33) Angus	57	63	60	53	-
(34) Black Hill	40	46	43	50	37
(35) Sandale	22	67	-	-	-
(36) Caldbeck	-	-	28	32	56
(37) Craigkelly	31	27	24	21	48
(38) Darvel	33	26	23	29	-
(39) Durris	22	28	25	32	67
(40) Eitshal (Lewis)	33	26	23	29	-
(41) Keelylang Hill	40	46	43	50	-
(42) Knock More	33	26	23	29	-
(43) Rosemarkie	39	45	49	42	-
(44) Rumster Forest	31	27	24	21	-
(45) Selkirk	55	62	59	65	52
Wales					
(46) Blaenplwyf	31	27	24	21	56
(47) Carmel	57	63	60	53	-
(48) Llanddona	57	63	60	53	-
(49) Moel-y-Parc	52	45	49	42	-
(50) Presely	46	40	43	50	37
(51) Wenvoe	44	51	41	47	-



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